



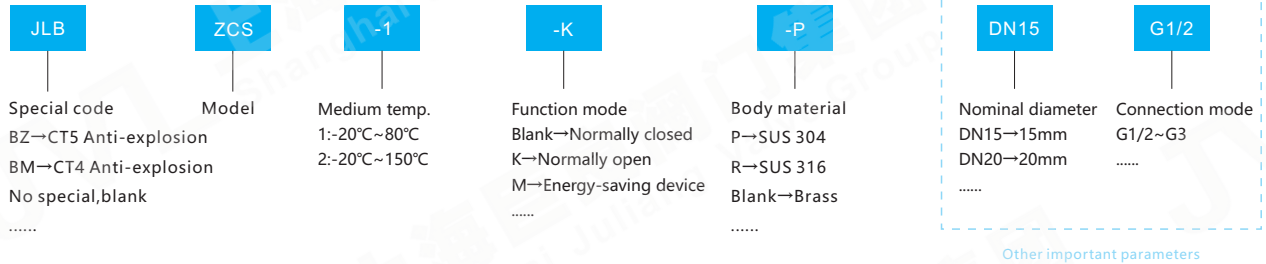
ZCS PILOT LARGE-DIAMETER DIAPHRAGM SOLENOID VALVE

DOMESTIC PRODUCTS/REPLACING IMPORTS/SIMPLE STRUCTURE/ULTRA-LONG LIFE

Valve selection

- The direction of arrow on the valve body must be consistent with the flow of the medium, if there is bi-directional flow, may select electric valve or pneumatic valve.
- If contain impurity particles in the fluid, the strainer should be installed in front of the valve according to the particle size (the mesh number \geq 80).
- The length of DC power cord should not be too long to avoid coil power loss and normal operation.
- Please give preference to the normally closed type in the design control plan.
- If you need explosion-proof solenoid valve, long duration power on and special voltage requirements, please consult before selecting the model.

Model naming method



Technical parameter

DN	DN15~80mm
Connection mode	English system G internal thread(NPT thread can be customized)
Principle	Pilot diaphragm mode
valve body material	Brass, SS304, and SS316(-R) can be customized
Sealing material	NBR, FKM, others please consult
Suitable medium	Gas, Liquid, Oil etc.
Medium temperature	1.-20°C~80°C 2.-20°C~150°C others please consult
Ambient temperature	Standard type: -20°C~60°C
Installation mode	Horizontal installation, coil vertical upward (others please consult)
Protection level	Plastic sealing type:IP65 Encapsulation type:IP65 CT5:IP65

•Notes: Special conditions can be designed and manufactured according to the customer's actual conditions.

Power parameter

Supply Voltage	AC:220V DC:24V other voltages can be customized
Rated power	AC32VA DC32W
Voltage deviation	±10%
Electrical connection	Standard type:DIN43650A/B, Standard junction box(M18x1.5) Anti-explosion type:Standard M14x1.5 inner thread Power cord of IP54 can be replaced, but IP65 can't

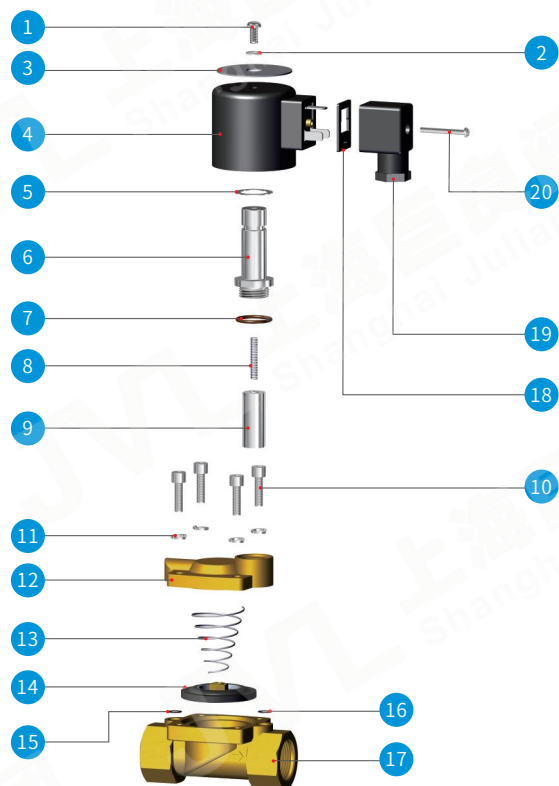
Product function selection

Symbol	Function mode	Content
Blank	Normally closed	Energized valve on, deenergized valve off
K	Normally open	Energized valve off, deenergized valve on
S	Hand device	Manual on-off valve
D	With timer	Set time switch interval
M	Energy-saving device	Energy saving and reducing temperature rise
Notes	Anti-explosion level: Ex mb II T4 Gb, Ex db II CT5 Gb special device related qualification please ask for from our sales	

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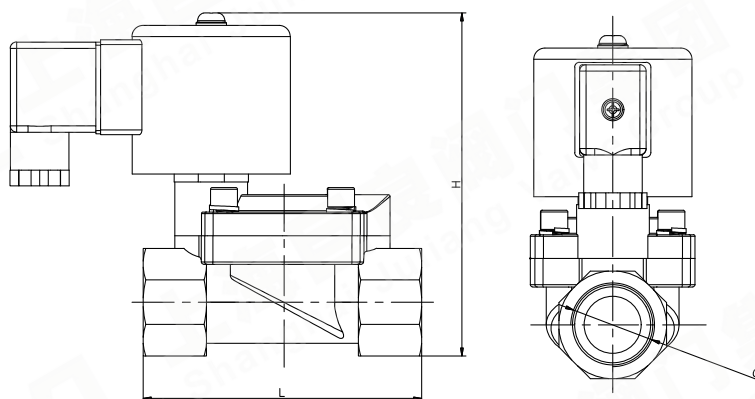
MILITARY EQUIPMENT/EXCELLENT QUALITY/RECOMMENDED PRODUCTS/ECONOMICAL AND APPLICABLE

Application: medical equipment, food machinery, agricultural machinery, analytical instruments, humidifiers, sulfur analyzers, drinking fountains, bottle blowing machines, filling equipment, brewing equipment, generator sets, environmental protection water treatment, industrial kilns, Boiler burner, welding and cutting and other product supporting and related industries' automation control systems .



Part component description

NO.	Name	NO.	Name
1	M6 outer hex nut	11	Spring washer
2	D6 spring washer	12	Main bonnet
3	Name plate	13	Reset spring of main valve
4	Electromagnetic coil	14	Main valve diaphragm
5	Anti-shock spring washer	15	Inlet seal unit
6	Pilot bonnet component	16	Pilot hole seal
7	Pilot bonnet seal	17	Valve body
8	Reset spring	18	Protective pad for junction box
9	Moving iron core component	19	Junction box
10	Main bonnet fastening bolt	20	M3 bolt



Normally closed standard product specifications & dimensions

Type	Nominal diameter DN[mm]	Pipe thread [G]	Normally closed pressure range[bar]		Normally open pressure range[bar]		L	H
			AC	DC	AC	DC		
ZCS15	15	G1/2"	0.5~10	0.5~10	0.5~8	0.5~6	80	105
ZCS20	20	G3/4"	0.5~10	0.5~10	0.5~8	0.5~6	87	114
ZCS25	25	G1	0.5~10	0.5~10	0.5~8	0.5~6	107	125
ZCS32	32	G1-1/4"	0.5~10	0.5~8	0.5~8	0.5~6	130	134
ZCS40	40	G1-1/2"	0.5~10	0.5~8	0.5~8	0.5~6	145	152
ZCS50	50	G2"	0.5~10	0.5~8	0.5~8	0.5~6	177	166
ZCS80	80	G3"	1~10	1~8	1~8	1~6	250	215

Notes: 1. Notes : 1. The above technical data and intllaion dimensions are standard designs f added functionaloptions o pliedesig is strct, you canask "Overall tawing" from our company. Other pressure grade or special technicalrequirements shall be subject to the appointment of contract and physical product. 2.If the solenoid valve is used in explosion-proof conditions, please ask explosion-proof solenoid valve's "Overall rawing from our company.